

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

RTIP ID# <i>(required)</i> ORA-001105				
TCWG Consideration Date June 28, 2011				
Project Description <i>(clearly describe project)</i> This project proposes to widen the off-ramp and add an auxiliary lane on NB route 405 at Culver Drive off-ramp. This project will lighten the congestion through converting the Culver off-ramp to a two-lane ramp and construct a short auxiliary lane (approximately 2,000 ft.)				
Type of Project <i>(use Table 1 on instruction sheet)</i> Change to existing State Freeway				
County Orange	Narrative Location/Route & Postmiles NB 405, at 5.4 Caltrans Projects – EA# 0M130			
Lead Agency: Caltrans				
Contact Person Arman Behtash	Phone# (949) 724-2029	Fax# (949) 756-7633	Email	
Hot Spot Pollutant of Concern <i>(check one or both)</i> PM2.5 X PM10 X				
Federal Action for which Project-Level PM Conformity is Needed <i>(check appropriate box)</i>				
X	Categorical Exclusion (NEPA)	EA or Draft EIS	FONSI or Final EIS	PS&E or Construction
Other				
Scheduled Date of Federal Action: 6/1/11				
NEPA Delegation – Project Type <i>(check appropriate box)</i>				
Exempt		X	Section 6004 – Categorical Exemption	Section 6005 – Non- Categorical Exemption
Current Programming Dates <i>(as appropriate)</i>				
	PE/Environmental	ENG	ROW	CON
Start	6/1/11	4/15/11	12/10/11	6/10/12
End	8/1/11	8/15/11	12/10/11	6/10/12

Project Purpose and Need (Summary): *(attach additional sheets as necessary)*

This project was identified by Traffic Operation South Branch and is needed to increase capacity on northbound route 405 and on Culver Drive off-ramp. The primary objective of the project is to improve the operation and weaving capacity at the specific area.

Surrounding Land Use/Traffic Generators *(especially effect on diesel traffic)*

Residential

Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility
Please See Attached

RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility
Please See Attached

Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT
Please See Attached

RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT
Please See Attached

Describe potential traffic redistribution effects of congestion relief *(impact on other facilities)*

Comments/Explanation/Details *(attach additional sheets as necessary)*

Traffic Data

E.A. Number: **0M130**

Route: **12-ORA-405**

From: **PM 5.4**

To: **Culver Off-Ramp**

Project Description: **The project proposes to widen the off-ramp and add an auxiliary lane on NB 405 at Culver Drive off-ramp.**

Existing/Pre Construction		
Level of Service	ADT	Truck Percentage
C	339,170	5.6%
F	11,133	1.0%

Main Line

Off-Ramp

Growth Rate:	
Year 2012	Year 2035
1.02	1.16

Future/End of Construction (2012)		
Built		
Level of Service	ADT	Truck Percentage
C	345,953	5.6%
F	11,356	1.0%

Main Line

Off-Ramp

Future/End of Construction (2012)		
No Built		
Level of Service	ADT	Truck Percentage
C	345,953	5.6%
F	11,356	1.0%

Future/Horizon Year (20-25-30 Years After Construction) 2035		
Built		
Level of Service	ADT	Truck Percentage
C	393,437	6.0%
F	12,914	1.0%

Main Line

Off-Ramp

Future/Horizon Year (20-25-30 Years After Construction) 2035		
No Built		
Level of Service	ADT	Truck Percentage
C	393,437	6.0%
F	12,914	1.0%

Prepared By: **Arman Behtash**

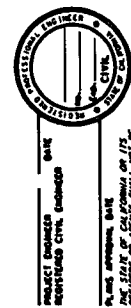
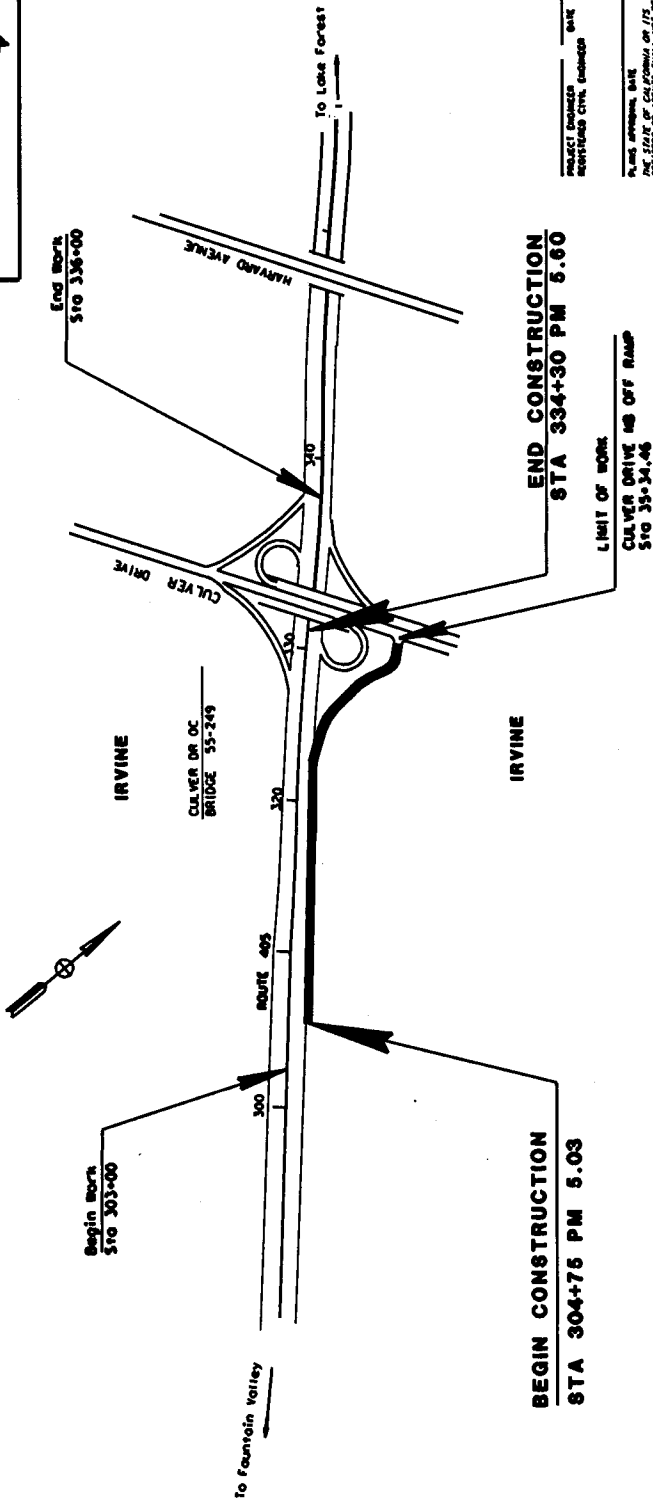
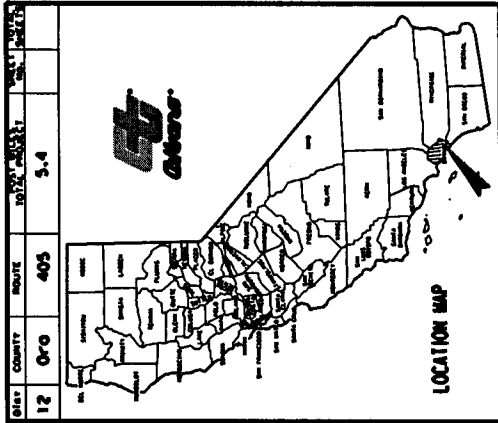
Date: **6/14/2011**

INDEX OF PLANS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN ORANGE COUNTY
IN IRVINE

FROM 1 MILE SOUTH OF JEFFREY ROAD OC TO CULVER DRIVE OC

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
DATE
PROJECT NUMBER & PHASE
12-0M1304
12000202984
UNIT 2998
12000202984

THE CONTRACTOR SHALL POSSESS THE CLASS AND CLASS(S) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

BOORDER LAST REVISED 7/2/2010 CALTRANS WEB SITE IS: [HTTP://WWW.DOT.CA.GOV/](http://www.dot.ca.gov/)

RELATIVE BRIDGE SCALE
1" = 10' HORIZ
VERTICAL 1" = 10'